

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: 10/588,451
Source: IFWP
Date Processed by STIC: 08/11/2006

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IFWP

RAW SEQUENCE LISTING

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,451

TIME: 10:58:11

Input Set : A:\Sequence Listing of PCTJP2005001574.txt

Output Set: N:\CRF4\08112006\J588451.raw

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3 <110> APPLICANT: City of Yokohama
5 <120> TITLE OF INVENTION: Peptidylarginine Deiminase 4 inhibitors
7 <130> FILE REFERENCE: FP-036PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/588,451
C--> 10 <141> CURRENT FILING DATE: 2006-08-04
12 <150> PRIOR APPLICATION NUMBER: JP P2004-028467
13 <151> PRIOR FILING DATE: 2004-02-04
15 <160> NUMBER OF SEQ ID NOS: 1
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 663
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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28 Ala Val Cys Val Leu Gly Thr Leu Thr Gln Leu Asp Ile Cys Ser Ser
29           20           25           30
31 Ala Pro Glu Asp Cys Thr Ser Phe Ser Ile Asn Ala Ser Pro Gly Val
32           35           40           45
34 Val Val Asp Ile Ala His Ser Pro Pro Ala Lys Lys Lys Ser Thr Gly
35           50           55           60
37 Ser Ser Thr Trp Pro Leu Asp Pro Gly Val Glu Val Thr Leu Thr Met
38   65           70           75           80
40 Lys Ala Ala Ser Gly Ser Thr Gly Asp Gln Lys Val Gln Ile Ser Tyr
41           85           90           95
43 Tyr Gly Pro Lys Thr Pro Pro Val Lys Ala Leu Leu Tyr Leu Thr Ala
44           100          105          110
46 Val Glu Ile Ser Leu Cys Ala Asp Ile Thr Arg Thr Gly Lys Val Lys
47           115          120          125
49 Pro Thr Arg Ala Val Lys Asp Gln Arg Thr Trp Thr Trp Gly Pro Cys
50           130          135          140
52 Gly Gln Gly Ala Ile Leu Leu Val Asn Cys Asp Arg Asp Asn Leu Glu
53   145          150          155          160
55 Ser Ser Ala Met Asp Cys Glu Asp Asp Glu Val Leu Asp Ser Glu Asp
56           165          170          175
58 Leu Gln Asp Met Ser Leu Met Thr Leu Ser Thr Lys Thr Pro Lys Asp
59           180          185          190
61 Phe Phe Thr Asn His Thr Leu Val Leu His Val Ala Arg Ser Glu Met
62           195          200          205
64 Asp Lys Val Arg Val Phe Gln Ala Thr Arg Gly Lys Leu Ser Ser Lys
65           210          215          220
67 Cys Ser Val Val Leu Gly Pro Lys Trp Pro Ser His Tyr Leu Met Val

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68 225          230          235          240
70 Pro Gly Gly Lys His Asn Met Asp Phe Tyr Val Glu Ala Leu Ala Phe
71          245          250          255
73 Pro Asp Thr Asp Phe Pro Gly Leu Ile Thr Leu Thr Ile Ser Leu Leu
74          260          265          270
76 Asp Thr Ser Asn Leu Glu Leu Pro Glu Ala Val Val Phe Gln Asp Ser
77          275          280          285
79 Val Val Phe Arg Val Ala Pro Trp Ile Met Thr Pro Asn Thr Gln Pro
80          290          295          300
82 Pro Gln Glu Val Tyr Ala Cys Ser Ile Phe Glu Asn Glu Asp Phe Leu
83 305          310          315          320
85 Lys Ser Val Thr Thr Leu Ala Met Lys Ala Lys Cys Lys Leu Thr Ile
86          325          330          335
88 Cys Pro Glu Glu Glu Asn Met Asp Asp Gln Trp Met Gln Asp Glu Met
89          340          345          350
91 Glu Ile Gly Tyr Ile Gln Ala Pro His Lys Thr Leu Pro Val Val Phe
92          355          360          365
94 Asp Ser Pro Arg Asn Arg Gly Leu Lys Glu Phe Pro Ile Lys Arg Val
95          370          375          380
97 Met Gly Pro Asp Phe Gly Tyr Val Thr Arg Gly Pro Gln Thr Gly Gly
98 385          390          395          400
100 Ile Ser Gly Leu Asp Ser Phe Gly Asn Leu Glu Val Ser Pro Pro Val
101          405          410          415
103 Thr Val Arg Gly Lys Glu Tyr Pro Leu Gly Arg Ile Leu Phe Gly Asp
104          420          425          430
106 Ser Cys Tyr Pro Ser Asn Asp Ser Arg Gln Met His Gln Ala Leu Gln
107          435          440          445
109 Asp Phe Leu Ser Ala Gln Gln Val Gln Ala Pro Val Lys Leu Tyr Ser
110          450          455          460
112 Asp Trp Leu Ser Val Gly His Val Asp Glu Phe Leu Ser Phe Val Pro
113 465          470          475          480
115 Ala Pro Asp Arg Lys Gly Phe Arg Leu Leu Leu Ala Ser Pro Arg Ser
116          485          490          495
118 Cys Tyr Lys Leu Phe Gln Glu Gln Gln Asn Glu Gly His Gly Glu Ala
119          500          505          510
121 Leu Leu Phe Glu Gly Ile Lys Lys Lys Lys Gln Gln Lys Ile Lys Asn
122          515          520          525
124 Ile Leu Ser Asn Lys Thr Leu Arg Glu His Asn Ser Phe Val Glu Arg
125          530          535          540
127 Cys Ile Asp Trp Asn Arg Glu Leu Leu Lys Arg Glu Leu Gly Leu Ala
128 545          550          555          560
130 Glu Ser Asp Ile Ile Asp Ile Pro Gln Leu Phe Lys Leu Lys Glu Phe
131          565          570          575
133 Ser Lys Ala Glu Ala Phe Phe Pro Asn Met Val Asn Met Leu Val Leu
134          580          585          590
136 Gly Lys His Leu Gly Ile Pro Lys Pro Phe Gly Pro Val Ile Asn Gly
137          595          600          605
139 Arg Cys Cys Leu Glu Glu Lys Val Cys Ser Leu Leu Glu Pro Leu Gly
140          610          615          620

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142	Leu	Gln	Cys	Thr	Phe	Ile	Asn	Asp	Phe	Phe	Thr	Tyr	His	Ile	Arg	His
143	625					630					635				640	
145	Gly	Glu	Val	His	Cys	Gly	Thr	Asn	Val	Arg	Arg	Lys	Pro	Phe	Ser	Phe
146					645					650					655	
148	Lys	Trp	Trp	Asn	Met	Val	Pro									
149					660											

VERIFICATION SUMMARY

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,451

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Input Set : A:\Sequence Listing of PCTJP2005001574.txt

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L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date